

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	APPL NO 10/724,727
Date Submitted: December 2, 2003		Filing Date	12/02/2003
(use as many sheets as necessary)		First Named Inventor	Dexiang CHEN
		Group Art Unit	Unassigned- 1648
		Examiner Name	Unassigned- Chen
Sheet	1	Attorney Docket Number	036481-0143
	of 4		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
SPC	A1	4,945,050		Sanford et al.	07/31/1990	
	A2	5,100,792		Sanford et al.	03/31/1992	
	A3	5,120,857		McCabe et al.	08/09/1992	
	A4	5,149,655		McCabe et al.	09/22/1992	
	A5	5,204,253		Sanford et al.	04/0/1993	
	A6	5,346,481		Bunin	09/13/1994	
	A7	5,503,632		Haak	04/02/1996	
	A8	5,569,468		Modi	01/29/1998	
	A9	5,584,807		McCabe	12/17/1998	
	A10	5,589,468		Felgner et al.	12/31/1998	
	A11	5,630,798		Bellhouse et al.	05/20/1997	
	A12	5,718,913		Dhuque-Mayer et al.	02/17/1998	
	A13	5,738,852		Robinson et al.	04/14/1998	
	A14	5,780,448		Davis	07/14/1998	
	A15	5,785,688		Joshi et al.	07/28/1998	
	A16	5,840,336		Hsu et al.	11/24/1998	
	A17	5,865,798		McCabe	02/02/1999	
	A18	5,871,460		Phipps et al.	02/16/1999	
	A19	5,871,751		Christensen et al.	02/16/1999	
	A20	5,900,238		Gombotz et al.	05/04/1999	
	A21	5,919,463		Thomas, Jr. et al.	04/06/1999	
	A22	5,968,008		Hofmann	10/19/1999	
	A23	5,983,130		Phipps et al.	11/09/1999	
	A24	5,989,588		Hsu et al.	11/23/1999	
	A25	6,008,200		Krieg	12/18/1999	
	A26	6,009,345		Hofmann	12/28/1999	
	A27	6,010,705		Thune et al.	01/04/2000	
	A28	6,049,733		Phipps et al.	04/11/2000	
	A29	6,168,587		Bellhouse et al.	01/02/2001	
✓	A30	6,194,389		Johnston et al.	02/27/2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
SPC     ✓	A31		WO 94/24283			10/27/1994		
	A32		WO 96/02555			02/01/1996		
	A33		WO 96/04947			02/22/1996		
	A34		WO 96/12513			05/02/1996		
	A35		WO 96/14855			05/23/1996		
	A36		WO 96/20022			07/04/1996		

Examiner Signature	Stacy B. Chan	Date Considered	Jan. 7, 2005
--------------------	---------------	-----------------	--------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: December 2, 2003 (use as many sheets as necessary)		Application Number	APPL NO 10/724,727
		Filing Date	12/02/2003
		First Named Inventor	Dexiang CHEN
		Group Art Unit	Unassigned 1648
		Examiner Name	Unassigned Chen
Sheet 2 of 4	Attorney Docket Number	038481-0143	

FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>a</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
SBE ↓	A37		WO 97/44446			11/27/1997		
	A38		WO 97/48485			12/24/1997		
	A39		WO 98/10750			03/19/1998		
	A40		WO 98/20734			05/22/1998		
	A41		WO 99/27981			06/10/1999		
	A42		WO 99/33488			07/08/1999		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
SBE ↓	A43	LOBB, C.J., (1987) Developmental and Comparative Immunology <u>11</u> : 727-738 (abstract only)		
	A44	HART et al., (1988) Developmental and Comparative Immunology <u>12</u> :453-480 (abstract only)		
	A45	DICKERSON et al., (1988) Immunological Reviews <u>166</u> :377-384 (abstract only)		
	A46	ORKIN et al., (1995) "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy"		
	A47	PAUL et al., (1995) Eur. J. Immunology <u>25</u> :3521-3524		
	A48	KRIEG et al., (1995) Nature <u>374</u> :546-549		
	A49	SATO et al. (1996) Science <u>273</u> :352-354		
	A50	WOOLDRIDGE et al. (1997) Blood <u>89</u> :2894-2898		
	A51	KLINMAN, D.M. (1998) Antisense and Nucleic Acid Drug Development <u>8</u> :181-184		
	A52	KRIEG, A. (1998) Biodrugs <u>10</u> :341-348		

Examiner Signature	Ataey B. Chen	Date Considered	Jan. 7, 2005
--------------------	---------------	-----------------	--------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	APPL NO 10/724,727
Date Submitted: December 2, 2003		Filing Date	12/02/2003
(use as many sheets as necessary)		First Named Inventor	Dexiang CHEN
		Group Art Unit	Unassigned- 1648
		Examiner Name	Unassigned- Chen
Sheet	3 of 4	Attorney Docket Number	038481-0143

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SBC	A53	MACFARLANE et al. (1998) J. Immunology 160:1122-1131	
	A54	GLENN et al. (1998) J. Immunology 161:3211-3214 (abstract only)	
	A55	GUY et al. (1998) Vaccine 16:850-856 (abstract only)	
	A56	MCCLUSKIE et al. (1998) J. Immunology 161:4463-4468	
	A57	SPARWASSER et al. (1998) J. Immunology 28: 2045-2054	
	A58	PORTER et al. (1998) Archives of Virology 143:997-1003	
	A59	MOLDOVEANU et al. (1998) Vaccine 16:1216-1224	
	A60	PAUL et al. (1998) Vaccine 16:188-195	
✓	A61	SPIEGLBERG et al. (1998) Allergy 53:93-97	

Examiner Signature	Stacy B. Cha	Date Considered	Jan. 7, 2005
--------------------	--------------	-----------------	--------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	APPL NO 10/24,727
Date Submitted: December 2, 2003		Filing Date	12/02/2003
(use as many sheets as necessary)		First Named Inventor	Dexiang CHEN
		Group Art Unit	Unassigned 1648
		Examiner Name	Unassigned Chen
Sheet	4	of	4
		Attorney Docket Number	038481-0143

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SBC	A82	WEINER et al. (1998) Proceedings of the American Association of Cancer Research 39:551, col. 1, abstract number 3747	
	A83	VINNER et al. (1999) Vaccine 17:2168-2175	
	A84	MCCLUSKIE et al. (1999) Critical Reviews in Immunology 19:303-329	
	A85	SCHARTON-KERSTEN et al. (1999) Vaccine 17(suppl. 2):S37-S43	
	A86	MCCLUSKIE et al. (1999) Vaccine 18:231-237	
	A87	GLENN (1999) Infection and Immunity 87:1100-1108	
	A88	GLENN et al. (1999) "Avances in vaccine delivery: transcutaneous immunization," Expert Opinion On Investigational Drugs 8(6):797-805	
✓	A89	BABIUK et al. (2000) J. Controlled Release 66:199-214	

Examiner Signature	Stacy B. Cha	Date Considered	Jan. 7, 2005
-----------------------	--------------	--------------------	--------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.